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ECIRS: an English-Chinese cross-language information-retrieval system

- Su Liu
IBM AIX NLS, Austin, TX, USA

Abstract:
In this paper, we describe a World Wide Web-based information
retrieval system, called ECIRS (English-Chinese Information Retrieval
System). ECIRS provides a cross-language platform for helping people
to retrieve Chinese information without inputting a Chinese query. The
Web-based client-server architecture allows more users to access ECIRS
through the Internet. Distributed Chinese document collections can be
easily scaled up with daily growing information. The interactive and
hyperlinked user interface can allow people to efficiently choose their
favorite documents. In future studies, more evaluation tests and the
construction of a larger name recognizer are needed to improve the
effectiveness of ECIRS.

Index Terms:
information resources online front-ends Internet natural language
interfaces client-server systems interactive systems hypermedia ECIRS
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client-server architecture Internet distributed Chinese document
collections scalability information growth interactive hyperlinked user
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1 **Learning translation models from the Web**
Jian-Yun Nie; Jiang Chen;
Machine Learning and Cybernetics, 2002. Proceedings. 2002 International
Conference on , Volume: 4 , 4-5 Nov. 2002
Pages:1999 - 2004 vol.4

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Learning translation models from the Web

Jian-Yun Nie   Jiang Chen
Dept. d'Inf. et de Recherche Oper., Montreal Univ., Que., Canada
This paper appears in: **Machine Learning and Cybernetics, 2002. Procee 2002 International Conference on**

Abstract:
Query **translation** is-the key problem in **cross-language** information retriev be made by exploiting a large set of parallel texts. We describe a mining syst automatically discovers parallel Web pages on the Web. This system exploits **search engines,** and the common characteristics in the organization of Web Several large text corpora have been constructed using this system. Our expe show that query **translation** using the obtained corpora can be as good as th high-quality machine **translation** systems. This study shows the feasibility of automatically a query **translation** system for all the active languages on the

Index Terms:
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1 Query term disambiguation for Web cross-language information retrieval 84%
using a search engine
Akira Maeda , Fatiha Sadat , Masatoshi Yoshikawa , Shunsuke Uemura
**Proceedings of the fifth international workshop on on Information retrieval with
Asian languages** November 2000

> With the worldwide growth of the Internet, research on Cross-Language Information
> Retrieval (CLIR) is being paid much attention. Existing CLIR approaches based on
> query translation require parallel corpora or comparable corpora for the
> disambiguation of translated query terms. However, those natural language resources
> are not readily available. In this paper, we propose a disambiguation method for
> dictionary-based query translation that is independent of the availability of such
> scarce langua ...

2 Localization of web content   80%
Daniel Brandon
The Journal of Computing in Small Colleges December 2001
Volume 17 Issue 2

3 Linguistic resource creation for research and technology development: A 77%
recent experiment
Stephanie Strassel , Mike Maxwell , Christopher Cieri
ACM Transactions on Asian Language Information Processing (TALIP) June 2003
Volume 2 Issue 2

> Advances in statistical machine learning encourage language-independent approaches
> to linguistic technology development. Experiments in "porting" technologies to handle
> new natural languages have revealed a great potential for multilingual computing, but
> also a frustrating lack of linguistic resources for most languages. Recent efforts to
> address the lack of available resources have focused either on intensive resource
> development for a small number of languages or development of technologies fo ...

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4 Interacting with the WWW: Looking for convenient alternatives to forms 77%
for querying remote databases on the Web: a new iconic interface for
progressive queries
Fabrizio Capobianco , Mauro Mosconi , Lorenzo Pagnin
Proceedings of the workshop on Advanced visual interfaces May 1996
> The enormous popularity of the World Wide Web has made putting public access
> databases on the Web practically mandatory. Forms embedded within the Web clients
> (e.g. Netscape) are therefore emerging as the most common interfaces in database
> querying. Should this solution be considered completely satisfactory?We highlight
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> alternative solution, based on direct manipulation of icons. The system we have
> developed is ea ...

5 Haircut: a system for multilingual text retrieval in java   77%
Paul McNamee , James Mayfield , Christine Piatko
The Journal of Computing in Small Colleges February 2002
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6 Reading of electronic documents: the usability of linear, fisheye, and   77%
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Kasper Hornbæk , Erik Frøkjær
Proceedings of the SIGCHI conference on Human factors in computing systems
March 2001
> Reading of electronic documents is becoming increasingly important as more
> information is disseminated electronically. We present an experiment that compares
> the usability of a linear, a fisheye, and an overview+detail interface for electronic
> documents. Using these interfaces, 20 subjects wrote essays and answered questions
> about scientific documents. Essays written using the overview+detail interface
> received higher grades, while subjects using the fisheye interface read documents
> faster. ...

7 Arabia online: answering the call of the holy land   77%
R. W. Burniske
Ubiquity April 2000
Volume 1 Issue 9

8 InfoSleuth: agent-based semantic integration of information in open and 77%
dynamic environments
R. J. Bayardo , W. Bohrer , R. Brice , A. Cichocki , J. Fowler , A. Helal , V. Kashyap , T.
Ksiezyk , G. Martin , M. Nodine , M. Rashid , M. Rusinkiewicz , R. Shea , C. Unnikrishnan ,
A. Unruh , D. Woelk
**ACM SIGMOD Record , Proceedings of the 1997 ACM SIGMOD international
conference on Management of data** June 1997
Volume 26 Issue 2
> The goal of the InfoSleuth project at MCC is to exploit and synthesize new
> technologies into a unified system that retrieves and processes information in an ever-
> changing network of information sources. InfoSleuth has its roots in the Carnot
> project at MCC, which specialized in integrating heterogeneous information bases.
> However, recent emerging technologies such as internetworking and the World Wide
> Web have significantly expanded the types, availability, and volume of data available
> to a ...

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